

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
WO 2005/058024 A2

- (51) International Patent Classification<sup>7</sup>: A01K
- (21) International Application Number: PCT/IB2004/004095
- (22) International Filing Date: 9 December 2004 (09.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/529,142 12 December 2003 (12.12.2003) US

(71) Applicant (for all designated States except US): BIOMAS,  
LTD. [IL/IL]; 4 Kaufman St., 68012 Tel-Aviv (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SREDNI, Benjamin  
[MX/IL]; Shachal 3, Kfar-Saba (IL). ALBECK, Michael  
[IL/IL]; 8 Harel Street 3, Ramat-Gan (IL). AVTALION,  
R., R. [IL/IL]; Bar Ilan University, 52900 Ramat Gan (IL).  
OKUN, E. [IL/IL]; Bar Ilan University, 52900 Ramat Gan  
(IL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF TREATING FISH AND CRUSTACEANS WITH A TELLURIUM BASED IMMUNOMODULATOR

(57) Abstract: A method for the direct or adjunct treatment of bacterial or fungal infections in fish and crustaceans including shell  
fish which is based on providing an effective amount of an organic tellurium compound in an aqueous environment to which said  
fish or crustaceans are exposed.

WO 2005/058024 A2